IAD's TOP TECH CHALLENGES



- 1) **RESILIENCY** Resilient architectures and operations
- 2) AUTOMATED RISK DETECTION Monitoring heuristic/behavioral large scale/real-time/multi-domain
- 3) AUTOMATED RISK MITIGATION One respond to risks at network speed, proactive and predictive mitigation
- **4) SECURE MOBILITY** Usable and assured; spanning endpoints, links, infrastructure
- 5) **SECURE OPERATIONS** Security operations for cloud-hosted user environments (e.g., blue, forensic, incident, ...)
- **6) THREAT MECHANISMS** Detection and response mechanisms for insider threats (timely, fine-grained)

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IAD's TOP TECH CHALLENGES (cont.)

- IN
- 7) SECURE GOVERNMENT SERVICES Operate secure government services on public/commercial clouds.
- 8) **CRYPTOGRAPHY FOUNDATIONS** Foundations of future Cryptography
- 9) SECURE COMPOSITE SYSTEMS Engineering, testing, and operating secure composite systems
- **10) LEVERAGE CLASSIFIED KNOWLEDGE** Leverage classified knowledge/signatures in a host-based system
- 11) DEVELOPING AND DEPLOYING ADVANCED CYBER TRADECRAFT Developing, deploying, and operating countermeasures for advanced cyber tradecraft

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